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(54) Title: INHIBITION OF ONCOGENE TRANSCRIPTION BY SYNTHETIC POLYAMIDES

(57) Abstract: Polyamides capable of inhibiting the transcription of oncogenes are provided. Preferred polyamides comprising at least three complementary pairs of aromatic carboxamide residues bind in the minor groove of double-stranded DNA. With regard to each polyamide, the complementary pairing of some or all of the polyamide's aromatic carboxamide residues determines the target nucleotide sequence of an identified dsDNA target in the promoter region of an oncogene.

WO 00/15773 A3